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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Name of Applicant: SUN MICROSYSTEMS, INC.
Address of Applicant: 4150 Network Circle
Santa Clara, CA 95054

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Assistant Commissioner for Patents
Washington, D.C. 20231

Technology Center 2600

**REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. § 1.36**

Dear Sir:

Pursuant to 37 C.F.R. § 1.36, Sun Microsystems, Inc., the assignee of the eleven patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the eleven patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the eleven patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

Please direct all correspondence and telephone calls concerning the eleven patent applications listed on the attached APPENDIX A to:

Jonathan P. Osha
ROSENTHAL & OSHA L.L.P.
1221 McKinney Street, Suite 2800
Houston, Texas 77010
Telephone No.: (713) 228-8600
Facsimile No.: (713) 228-8778

Please change the attorney/docket number corresponding to each application as indicated on the transmittal letter as filed with this document.

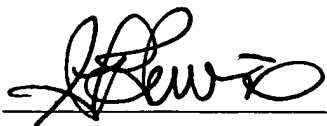
The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title, and interest in the eleven patent applications listed on the attached APPENDIX A by virtue of a chain of title from the inventors

of the eleven patent applications listed on the attached APPENDIX A to the above-identified assignee.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the eleven patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

2/18/03

Name:

Sean P. Lewis

Title:

Assistant General Counsel
Sun Microsystems, Inc.

APPENDIX A

- 1. Patent Application/Serial No.:** 08/687,886

Applicant(s): Philip S. Resnik, et al.

Title: Multilingual Agent For Use in Computer Systems

Filing Date: July 26, 1996

Reel/Frame: 8115/0209
- 2. Patent Application/Serial No.:** 6,028,903

Applicant(s): Robert J. Drost, et al.

Title: Delay Lock Loop With Transition Recycling for Clock Recovery of NRZ Run-Length Encoded Serial Data Signals

Issued: February 22, 2000

Reel/Frame: 8779/0692
- 3. Patent Application/Serial No.:** 08/885,817

Applicant(s): Amit Gupta, et al.

Title: Techniques for Securing Data Flow in Internet Multicasting

Filing Date: June 30, 1997

Reel/Frame: 8917/0094
- 4. Patent Application/Serial No.:** 08/886,130

Applicant(s): Amit Gupta, et al.

Title: Efficient Caching of Routing Information for Unicast and Multicast Connecting

Filing Date: June 30, 1997

Reel/Frame: 8917/0142

5. **Patent Application/Serial No.:** 6,373,304
Applicant(s): Robert J. Drost, et al.
Title: Techniques For Making and Using An Improved Loop Filter Which Maintains A Constant Zero Frequency To Bandwidth Ratio
Issued: April 16, 2002
Reel/Frame: 8836/0922
6. **Patent Application/Serial No.:** 08/972,752
Applicant(s): Rolando D. Dimaandal, et al.
Title: Processing Requests for Service of a Physical Facility
Filing Date: November 18, 1997
Reel/Frame: 8822/0951
7. **Patent Application/Serial No.:** 09/266,852
Applicant(s): Robert J. Drost, et al.
Title: Techniques For Making and Using an Improved Loop Filter Which Maintains a Constant Zero Frequency to Bandwidth Ratio
Filing Date: March 12, 1999
Reel/Frame: 8836/0922
8. **Patent Application/Serial No.:** 08/868,972
Applicant(s): Amit Gupta, et al.
Title: Techniques For Improving Virtual Channel Management and Maintenance in a Network Environment
Filing Date: June 4, 1997
Reel/Frame: 8851/0657

9. Patent Application/Serial No.: 08/988,205

Applicant(s): Amit Gupta, et al.

Title: Highly-Distributed Servers for Network Applications

Filing Date: December 10, 1997

Reel/Frame: 9243/0046

10. Patent Application/Serial No.: 08/990,759

Applicant(s): Amit Gupta, et al.

Title: Improving Network and End-Host Efficiency For Web Communication

Filing Date: December 15, 1997

Reel/Frame: 9212/0565

11. Patent Application/Serial No.: 6,278,714

Applicant(s): Amit Gupta

Title: Efficient Hardware Implementation of Virtual Circuit Bunching

Issued: August 21, 2001

Reel/Frame: 9271/0333